



Figure 1

```

graph TD
    50((50)) --> 52[RECEIVE BRAKING  
COMMANDS FROM  
VEHICLE  
CONTROLS 40]
    52 --> 54{IS  
BATTERY FULLY  
CHARGED  
?}
    54 -- YES --> 56[USE ONLY  
FRICTION  
BRAKING]
    54 -- NO --> 58[BEGIN  
FRICTION AND/ OR  
REGENERATIVE  
BRAKING]
    58 --> 60{IS  
AN ABS  
EVENT OCCURRING  
?}
    60 -- YES --> 64{IS  
ABS EVENT  
OCCURRING AT FRONT  
OR "DRIVEN"  
WHEELS  
?}
    64 -- YES --> 66[DISABLE  
REGENERATIVE  
BRAKING]
    64 -- NO --> 62[CONTINUE  
FRICTION AND / OR  
REGENERATIVE  
BRAKING]
    60 -- NO --> 62
    66 --> 62
    62 --> 60

```

Figure 2

Figure 2